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PTO/SB/01 (09-04)
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DESIGN DESIGN		First Named Inventor	Craig A. T	Craig A. Townsend			
	PATENT APPLICATION (37 CFR 1.63)		OMPLETE IF KNO	DWN			
(37 CF			10/520,506				
	Declaration	Filing Date	January 7, 2005	5	-		
With Initial OR	Thing (burdings	Art Unit	Not Yet Assigned				
Filing	(37 CFR 1.16 (e)) required)	Examiner Name	Not Yet Assigne	ed			
I hereby declare that:	I hereby declare that:						
Each inventor's residence,	mailing address, and citizensh	hip are as stated below ne	ext to their name.		i		
I believe the inventor(s) na which a patent is sought or	med below to be the original a	and first inventor(s) of the	subject matter which	is claimed and fo	or		
Methods of Treatin	g Microbial Infections in	Humans and Animal	ls				
the specification of which	•	Title of the Invention)					
is attached hereto	м						
OR							
x was filed on (MM/E	OD/YYYY) 01/07/200	as United States	Application Numbe	r or PCT Internati	ional		
Application Number	10/520,506 an	nd was amended on (MM/	DD/YYYY)	(if ap	plicable).		
	reviewed and understand the ent specifically referred to above		dentified specificatio	n, including the o	claims, as		
continuation-in-part applica	to disclose information which ations, material information whational filing date of the continu	ich became available bet					
			65/h) of any foreign	application(s) for	or natent		
I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.							
Prior Foreign Application Number(s)	Country	Foreign Filing Da		Certified Copy A	Attached?		
PCT/US2003/2146	IB	07/09/2003			x		
-	. <u>-</u>						
					H		
Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.							

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DECLARATION — Utility or Design Patent Application OR Correspondence address below X Direct all correspondence to: 26853 associated with Customer Number. Name **COVINGTON & BURLING** Address 1201 Pennsylvania Avenue, NW City State D.C. 20004-2401 Washington Country Telephone Fax US 202.662.6000 202.662.6291 I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. NAME OF SOLE OR FIRST INVENTOR: A petition has been filed for this unsigned inventor Given Name Family Name (first and middle [if any]) Craig A. Townsend or Surname Inventor's Date Signature Residence: City State Citizenship **United States of America** US **Baltimore** MD Department of Chemistry Mailing Johns Hopkins University Address: 3400 N. Charles Street City Country 21218 **Baltimore** MD **United States of America** NAME OF SECOND INVENTOR: A petition has been filed for this unsigned inventor Given Name Family Name James D. Dick (first and middle [if any]) or Surname Inventor's Date Signature Residence: City State Country Citizenship **Baltimore United States of America** US MD Johns Hopkins Hospital Mailing Meyer B1-193 Address: 600 N. Wolfe Street City ZIP State Country **Baltimore** MD 21287 **United States of America**

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supplemental sheet(s) PTO/SB/02A or 02LR attached hereto.

Additional inventors or a legal representative are being named on the

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DECLARATION ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 1					
Name of Additional Joint Inver	itor, if any:			A petition I	has been filed for this unsigned inventor
Given Name (first a	nd middle (if any))]		Family Name or Surname
Nicol	е М.				Parrish
Inventor's Signature					Date
Ellicott City Residence: City	MD State	Unite Countr	d States of	America	US Citizenship
Mailing 2745 Weathers	stone Drive				
Ellicott City City	MD State	Zip	21042	_	United States of America Country
Name of Additional Joint Inver	tor, if any:	·		A petition I	has been filed for this unsigned inventor
Given Name (first a					Family Name or Sumame
Minerva A	Morette]		Hughes
Inventor's Signature					Date
Baltimore Residence: City	MD State	Unite Countr	d States of	America	US Citizenship
Mailing #2-1 Sharondale Way					
Baltimore City	MD State	Zip	21221		United States of America Country
Name of Additional Joint Inver	tor, if any:			A petition i	has been filed for this unsigned inventor
Given Name (first a	nd middle (if any))				Family Name or Sumame
Inventor's Signature			<u> </u>		Date
Residence: City	State	Countr	y Citizenship		
Mailing Address:					
City	State	Zip			Country
Name of Additional Joint Inver	ntor, if any:			A petition I	has been filed for this unsigned inventor
Given Name (first a	nd middle (if any))				Family Name or Surname
Inventor's Signature					Date
Residence: City	State	Countr	у		Citizenship
Mailing Address:	•				
City	State	Zip			Country

PTO/35/02A (09-04)
Approved for use through 07/31/2006. Onto 0881-0022
U.S. Patent and Tredemark Office; U.S. DEPARTMENT OF COMMERCE Under the Preparation And of 1986, no persons are required to a cohercian of interregion unless it contains a valid Osea control number. ADOTTONAL INVESTORIS) DECLARATION Supplemental Sheet Name of Additional Joint Inventor, If any: A petition has been field for this unsigned inventor Ghran Nama Mai and middle (I any melly Name or Burname Nicole M. Parrish Protected Signature Elloot City MD . United States of America US Residence: City 2745 Weatherstone Drive Ellicott City 21042 United States of America Cty State 7 Name of Additional Joint Inventor, if any: A petition has been filed for file unsigned invented Gives Name (first and misdle (if any)) Family Name or Burnsma Minerus Amorette Hughes 105 20 Baltimore United States of America. Residence: CIN Country Melling Address: #2-1 Sherondale Way Baltimore 21221 United States of America City Zio Name of Additional Joint Inventor, if any, A petition has been field for this unaligned inventor Ohen Name (that and middle (it any) Pamily Mame or Summine Inventor's Signature Residence: City Country Malting Address ZIP . City Name of Additional Joint inventor, if any: A patition has been filed for this unsigned inventor Siven Name (first and middle (if any) Family Nema of Sumame preniors Signature Oato CHrenship Residence City County Maltry Address: CBA , Zb Country Blate

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PTO/SE/36 (09-04)
Approved for usc through 07/31/2008. OMB 0851-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE to respond to a collection of information unless it displays a valid OMB control number.

Under the Paperwork resolution Act of Test, its persons a Credition	27 AFD 2 79/L\		
STATEMENT UNDER 37 CFR 3.73(b)			
Applicant/Patent Owner: Craig A. Townsend et al.			
	d/issue Date: January 7, 2005		
Application No./Patent No.: 10,520,506 File	(M)3380 DOIO.		
Entitled: Methods of Treating Microbial Infections in Human	ns and Animals		
Entitled: Methods of Treating Microbial Imacuons in Human	university		
Johns Hopkins University , 8 (Name of Assignee) (Type of Ass	University Gran, e.g. corporation, partnership, university, government agency, etc.)		
states that it is:			
the anti-new state entire right title and interest; of			
 an assignee of less than the entire right, title and int The extent (by percentage) of its ownership interest 	is %		
in the patent application/patent identified above by virtue of eit	her.		
	ication/patent identified above. The assignment		
A. X An assignment from the inventor(s) of the patent applied was recorded in the United States Patent and Traden	nark Office at Reel		
Frame , or for which a copy there	of is attached.		
A chain of title from the inventor(s), of the patent appl	lcation/patent identified above, to the current		
B. assignee as shown below:			
From: The document was recorded in the United State	To:		
Reel, Frame	, or for which a copy thereof is attached.		
	То:		
2. Plotti.	s Patent and Trademark Office at		
Reel, Frame	, or for which a copy thereof is attached.		
A F	To:		
The designant was recorded in the United State	s Patent and Trademark Office at		
Reel Frame	, or for which a copy thereof is attached.		
Additional documents in the chain of title are liste	d on a supplemental sheet.		
Copies of assignments or other documents in the chig [NOTE: A separate copy (i.e., a true copy of the orig			
submitted to Assignment Division in accordance with recorded in the records of the USPTO. See MPEP 3	02.08]		
The undersigned whose title is supplied below) is authorized	to act on behalf of the assignee.		
V.V. Shole			
Signature			
R. Keith Baker, Ph.D., MBA	410 - 514 - 4563 Telephone Number		
Printed or Typed Name	releprone nomber		
Senior Director, Johns Hopkins University	_		
Title			

PTO/SE/81 (11-04)
Approved for use through 11/30/2005. OMB 0651-0035
U.S. Petent and Trademark Office; U.S. DEPARTMENT OF COMMERCE cond to a collection of information unless it displays a valid OMB control are the collection of information unless it displays a valid OMB control are the collection of information unless it displays a valid OMB control are the collection of information unless it displays a valid OMB control are the collection of information unless it displays a valid OMB control are the collection of information unless it displays a valid OMB control are the collection of information unless it displays a valid OMB control are the collection of information unless it displays a valid OMB control are the collection of information unless it displays a valid OMB control are the collection of information unless it displays a valid OMB control are the collection of information unless it displays a valid OMB control are the collection of information unless it displays a valid OMB control are the collection of information unless it displays a valid OMB control are the collection of information unless it displays a valid OMB control are the collection of information unless it displays a valid OMB control are the collection of information unless it displays a valid OMB control are the collection of information unless it displays a valid OMB control are the collection of information unless it displays and the collection of information unless it displays a valid OMB control are the collection of information unless it displays a valid OMB control are the collection of t

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	 -			tion Number	10/520,506-Conf. #2647			
			Filing D		January 7, 2005 Craig A. Townsend			
	POWER OF ATTORNE	Y	111111111111111111111111111111111111111					
	and CORRESPONDENCE ADDRESS						ial Infections i	n .
COF			Title	Humans		nd Animals		
	INDICATION FORM		Art Uni	<u></u>		et Assigne		
			Examin	er Name		et Assigne		
			Attorno	y Docket No.	0298	69.00001 - L	JS01	
1 he	reby revoke all previous powers	of attorney	given in	the above-ide	ntified a	plication.		
	reby appoint:							
×	x Practitioners associated with the Customer Number. 26853							
	OR			•				
	Practitioner(s) named below:						· · · · · · · · · · · · · · · · · · ·	
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as my/o	ur attorney(s) or agent(s) to prosecu and Trademark Office connected the	re the applica rewith.	ancu ioen	tinen arove, en	40 00.10			
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OR								
	The address associated with Cu:	stomer Num	ber:	1		1		
OR -				<u></u>				
	COVINGTON & B	URLING						
	vidual Name							
Address								
	1201 Pennsylvania Avenue				170-	20004-240	<u>.</u>	
City	Washington	State	D.	2.662.6000	Zîp Email	20004-241	71	
Country	USA	Telepho	ne 120	2.002.0000	Citical	<u>L</u>	************	
	the:							
1	Applicant/Inventor.							
<u> </u>	Assignee of record of the entire is	nterest. Se	e 37 CF	R 3.71.				
يث	Statement under 37 QFR-3.73(b)	is enclosed	i. (Forn	PTO/SB/96))			
	// // /sigyy	TURE of App	licant o	Assignee of F		10/3	المستان	
Signatur		<u></u>			Date	10/3/	11th	
Name	R. Keith Baker, P				lephone	1 410-4	516-4563	
Title and	Company Senior Director, J	onns Hopl	kins Un	iversity		ativale) are con	udred Submit me	Hinle
NOTE: Sign	atures of all the inventors or assignees e than one signature is required, see b	s of record of the relow*.	ne antire	mretest of them t	abiożeur.	ahadfe) \$18 180	inier annierum	
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		Attorney Docket Numi	per 029869	029869.00001-US01		
	DECLARATION FOR UTILITY OR DESIGN		Craig A	Craig A. Townsend		
	PPLICATION	COMPLETE IF KNOWN				
(37 CI	FR 1.63)	Application Number	10/520,506			
	X Declaration	Filing Date	January 7, 2	005		
Submitted With Initial OR	Submitted after Initial Filling (surcharge	Art Unit	Not Yet Assigned			
Filing	(37 CFR 1.16 (e)) required)	Examiner Name	Not Yet Assi	gned		
	, mailing address, and citizensh					
I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled: Methods of Treating Microbial Infections in Humans and Animals						
	•	itle of the Invention)				
the specification of whi						
is attached hereto				•		
x was filed on (MM/	DD/YYYY) 01/07/200	as United State	s Application Nu	mber or PCT International		
Application Number	10/520,506 an	nd was amended on (MM/	DD/YYYY) [(if applicable).		
I hereby state that I have amended by any amendm	e reviewed and understand the tent specifically referred to above	contents of the above i	dentified specific	cation, including the claims, as		
continuation-in-part applic	to disclose information which ations, material information whational filing date of the continu	ich became available bel	ility as defined ween the filing o	in 37 CFR 1.56, including for tate of the prior application and		
I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.						
Prior Foreign Application Number(s)	Country	Foreign Filing D (MM/DD/YYYY				
PCT/US2003/2146	IB	07/09/2003	[]			
Additional foreign	application numbers are listed	on a supplemental priorit	y data sheet PT0	O/SB/02B attached hereto.		

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Direct all c		dress ited with her Number:	26853	OR Correspondence address belo			
Name	COVINGTON & BUR	LING					
Address							
	1201 Pennsylvania A	venue, NW	-				
City	Washington		State D.C.	^{ZIP} 20004-2401			
Country	US	Telephone	202.662.6000	^{Fex} 202.662.6291			
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.							
NAME OF	F SOLE OR FIRST INVENTOR	₹:	A petition	has been filed for this unsigned inventor			
Given Nam (first and m	ne niddle [if any])	Craig A.	Family Name or Surname	Townsend			
Inventor's Signature	In the	MMA	\sim	Date 04/27/05			
Residence	Baltimore	State MD M	Country United States of America	Citizenship US			
Mailing Address:	Department of Chem Johns Hopkins Unive 3400 N. Charles Stre	ersity					
City	Baltimore	State MD	ZIP 21218	Country United States of America			
NAME OF	SECOND INVENTOR:		A petition	has been filed for this unsigned inventor			
Given Nam (first and m	e kiddle (if any])	James D	Family Name or Surname	Dick			
	af of		`	9-22.05			
Inventor's 'Signature		State //	Country United States of America	Citizenship US			
	City (/ / / / / / / / / / / / / / / / / /	MD/1		Mailing Address: Johns Hopkins Hospital Meyer B1-193 600 N. Wolfe Street			
Signature Residence: Mailing	Johns Hopkins Hosp Meyer B1-193		ZIP	Country			

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	DECLARATION				ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 1			
	Name of Ac	Name of Additional Joint Inventor, if any:				A petition has been filed for this unsigned inventor		
		Given Name (first and	i middle (if any))		Family Name or Sumame			
_		Nicole			Parrish			
200	Inventor's Signature	rivole M. 1	arrish	Date 9-27-05			Date 9-27-05	
✓ .	El Residence: C	licott City	State MD	Unit Cour	ted States of	of America	US Citizenship	
	Mailing Address:	2745 Weatherst	one Drive					
	EI City	licott City	MD State	Zip	2104	2	United States of America Country	
	Name of Ad	Iditional Joint Invente	or, if any:			A petition	has been filed for this unsigned inventor	
	Given Name (first and middle (if any))						Family Name or Sumame	
		Minerva Ar	norette		<u> </u>		Hughes	
Low	Inventor's Signature		M)			Date	
()	Residence: C	altimore	State MD	Cour	ted States (of America	US Cittzenship	
	Mailing Address: #2-1 Sharondale Way							
	B City	altimore	MD State	Zip	2122	1	United States of America Country	
	Name of Ad	ditional Joint Invento	or, if any:			A petition	has been filed for this unsigned inventor	
		Given Name (first and	l middle (if any))				Family Name or Surname	
							·	
	Inventor's Signature		r	,			Date	
	Residence: Ci	ty	State	Coun	itry		Citizenship	
	Mailing Address:							
	City		State	Zip			Country	
	Name of Ad	ditional Joint Invento	or, if any:			A petition	has been filed for this unsigned Inventor	
		Given Name (first and	middle (if any))				Family Name or Surname	
	Inventor's						<u> </u>	
}	Inventor's Signature						Date	
Į	Residence: Ci	ly	State	Coun	try		Citizenship	
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	City		State	Zip			Country	

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STATEMENT UNDER 37 CFR 3.73(b)				
Applicant/Patent Owner: Craig A. Townsend et al.				
Application No./Patent No.: 10/520,506 Filed/Issue Date: January 7, 2005				
Entitled: Methods of Treating Microbial Infections in Humans and Animals				
FASgen, LLC , a Limited Liability Company (Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)				
states that it is:				
1. the assignee of the entire right, title, and interest; or				
2. x an assignee of less than the entire right, title and interest. The extent (by percentage) of its ownership interest is 50 % in the patent application/patent identified above by virtue of either:				
An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel Frame, or for which a copy thereof is attached.				
OR				
B. X A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:				
Craig A. Towsend et al. To: Johns Hopkins University The document was recorded in the United States Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.				
2. From: Johns Hopkins University To: FASgen, LLC				
The document was recorded in the United States Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.				
3. From: To:				
The document was recorded in the United States Patent and Trademark Office at				
Reel, Frame, or for which a copy thereof is attached.				
Additional documents in the chain of title are listed on a supplemental sheet.				
Copies of assignments or other documents in the chain of title are attached. [NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. <u>See MPEP 302.08</u>]				
The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.				
Cllest Th Cruent 9.20.05 Signature Date				
•				
Dr. Albert Owens, Jr. 40.538 - 9200 Printed or Typed Name Telephone Number				
President				
Title				

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POWER OF ATTORNEY and **CORRESPONDENCE ADDRESS INDICATION FORM**

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to respond t	o a collection of in	formation unless it displays a valid OMB control number.				
Application Number 10/520,506-Conf. #2647						
Filing Da	te [.]	January 7, 2005				
First Nan	ned Inventor	Craig A. Townsend				
Title	Methods of Treating Microbial Infections in Humans and Animals					
Art Unit		Not Yet Assigned				
Examine	r Name	Not Yet Assigned				
Attorney	Docket No.	029869.00001-US01				

I he	I hereby revoke all previous powers of attorney given in the above-identified application.						
I he	reby appoir	it:					
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	1 1000000	, (c) Hallied Dolow.	Registration				Registration
	N	ame	Number		Nan	ne	Number
as my/o	ur attornev(s) or agent(s) to prosec	cute the application	identified above	, and	to trans	act all business in the United States
		rk Office connected th			,		
Please	•	or change the corre	•				d application to:
	The addre	ss associated with t	the above-mentio	ned Customer	Nun	nber:	
OR)
	The address	s associated with C	ustomer Number:				
	n or ividual Name	COVINGTON &	BURLING				
Address	1						
		nnsylvania Avenu	e, NW			,	<u></u>
City	Washing	lon	State	D.C.		Zip	20004-2401
Country	USA		Telephone	202.662.60	00	Email	<u> </u>
	the:						
l ∐′	Applicant/In	ventor.					
x Assignee of record of the entire interest. See 37 CFR 3.71.							
Signature of Applicant or Assignee of Record							
Signature Date Date Con and							
Name		Dr. Albert Owen	is Jr.	ensy)		phone	,
	Company			-		рисси	
NOTE: Sign	atures of all t		es of record of the er	ntire interest or th	neir re	present	ative(s) are required. Submit multiple
	*Total of	1form	s are submitted.				

Verified Statement (Declaration) Claiming Small Entity Status (37 C.F.R. §§ 1.9(e) and 1.27(d)) - Nonprofit Organization

Applicant or Pate	coloc; Craig A. Townsend et al.
Appl. or Patent 1	No.: 10/520,506; Attorney Docket No. 029869.00001-US01
Filed or Issued: J	FOR TREATING MICROBIAL INFECTIONS IN HUMANS AND ANIMALS
	that I am an official empowered to act on behalf of the nonprofit organization identified below:
NAME OF NON ADDRESS OF N	PROFIT ORGANIZATION Johns Hopkins University ONPROFIT ORGANIZATION 4910 Eastern Avenue, Baltimore, Maryland 21224
	PROFIT ORGANIZATION University or other institution of higher education
[X] []	The exempt under Internal Revenue Service Code (26 U.S.C. §§ 501(a) and 501(c)(3))
[]	Nonprofit scientific or educational under statute of state of The United States of America (Name of state)
	(Citation of statute Would qualify as tax exempt under Internal Revenue Service Code (26 U.S.C.
[]	हर रहा (को and रहा (८४३)) if located in The United States of Appenea
[]	Would qualify as nonprofit scientific or educational under statute of state of the
-	United States of America if located in The United States of America
	(Name of state) (Citation of statute
I hereby declare t § 1.9(e) for purp described in:	that the nonprofit organization identified above qualifies as a comprofit organization as defined in 37 C.F.R. coses of paying reduced fees to the United States Patent and Trademark Office regarding the invention
[]	the specification filed herewith with title as listed above.
[X] []	the application identified above. the patent identified above.
regarding the abo concern or organi entities and that	that rights under contract or law have been conveyed to and remain with the nonprofit organization are not exclusive, each individual fixetion having rights to the invention must file a separate verified statement averting to their status as small no rights to the invention must file a separate verified statement averting to their status as small no rights to the invention are held by any person, other than the inventor, who would not qualify as an interior of the first and the inventor, or by any concern which would not qualify as a concern under 37 C.F.R. § 1.9(c) if that person made the invention, or by any concern which would not qualify as a concern under 37 C.F.R. § 1.9(d) or a nonprofit organization under 37 C.F.R. § 1.9(e).
Each person, cor invention is listed	neem or organization (other than the nonprofit organization identified above) having any rights in the
[]	no such person, concern, or organization exists.
[X]	each such person, concern, or organization is listed below:
	NAME FAScen, U.C. ADDRESS Bavview Medical Campus, 5210 Eastern Avenue, Baltimore, Maryland 21224
	() INDIVIDUAL (X) SMALL BUSINESS CONCERN () NONPROFIT ORGANIZATION
	ne duty to file, in this application or patent, notification of any change in status, resulting in loss of all entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fe on which status as a small entity is no longer appropriate. (37 C.F.R. § 1.28(b))
I hereby declare the and belief are be statements and the linited States Cod	that all statements made herein of my own knowledge are true and that all statements made on information lieved to be true; and further that these statements were made with the knowledge that willful false tike so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the le, and that such willful false statements may jeopardize the validity of the application, any patent issuintent to which this verified statement is directed.
NAME OF PERS	ON SIGNING R. Keith Baker, Ph.D., MBA
T DI ADGAI	RIVATION Senior Director
	AND SHOULD AND POSICIO AVERAL DELINIONE PRATICION EDATE
SIGNATURE	Lithbelt DATE 1931/05
	COVINGTON & BURLING

COVINGTON & BURLING 1201 Pennsylvania Avenue, N.W., Washington, D.C. 20004-2401 (202) 662-6000

Verified Statement (Declaration) Claiming Small Entity Status (37 C.F.R. § 1.27 - Small Business Concern)

4.4	atentee: Craig A. Townsend et al. Patent No.: 10/520,506	Filed or Issued: <u>January 7, 2005</u> Attorney Docket No.: <u>029869.00001-US01</u>
For: METHOL	OS OF TREATING MICROBIAL INF	ECTIONS IN HUMANS AND ANIMALS
I hereby declar [] [X]	the owner of the small business conc	ern identified below: oncern empowered to act on behalf of the concern
ADDR	E OF SMALL BUSINESS CONCERN RESS OF SMALL BUSINESS CONCI venue, Baltimore, Maryland 21224	I: FASgen, LLC ERN: Bayview Medical Campus, 5210 Eastern
defined in 13 C Title 35, Unite affiliates, does the business co on a full-time, concerns are as	C.F.R. § 121.801-805, for purposes of purposes of purposes of the States Code, in that the number of end exceed 500 persons. For purposes oncern is the average over the previous part-time or temporary basis during eaffiliates of each other when either, dire	ess concern qualifies as a small business concern as paying reduced fees under section 41(a) and (b) of imployees of the concern, including those of its s of this statement, (1) the number of employees of infiscal year of the concern of the persons employed ach of the pay periods of the fiscal year, and (2) excitly or indirectly, one concern controls or has the controls or has the power to control both.
	are that rights under contract or law ern identified above with regard to the the specification filed herewith with the application identified above. the patent identified above.	
concern or org their status as s who would no	ganization having rights in the inventi small entities, and no rights to the inve t qualify as an independent inventor,	usiness concern are not exclusive, each individual, on must file separate verified statements averring to ention are held by any person, other than the inventor if that person made the invention or by any concern or a nonprofit organization under 37 C.F.R. § 1.27.
having any righ	person, concern or organization (other hts in the invention is listed below: no such person, concern, or organization each person, concern, or organization	
NAME	E Johns Hopkins University	
ADDR	RESS 4910 Eastern Avenue, Baltimore () INDIVIDUAL () SMALL BUSIN	, Maryland 21224 ESS CONCERN (X) NONPROFIT ORGANIZATION

Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 C.F.R.§ 1.27)

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DC: 1884527-1

Page 1 of 2

Patent or Application No.: 10/520,506

Docket No.: 029869.00001-US01 Verified Statement Claiming Small Entity Status

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 C.F.R. §1.27).

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERS	SON SIGNING: Albert Owens, Jr. Quick	nt the	Queus)
TITLE IN ORGA	ANIZATION President		
ADDRESS OF P Baltimore, Maryl	ERSON SIGNING: Bayview Medical Campus	s, 5210 Easte	rn Avenue
SIGNATURE _	albert 74. Devens	DATE_	9.20.00

ASSIGNMENT

WHEREAS, Johns Hopkins University, a corporation organized under and pursuant to the laws of Maryland having its principal place of business at 4910 Eastern Avenue; Baltimore, Maryland 21224 (hereinafter referred to as Assignor), is the sole and exclusive owner, by assignment, of the Patcnt Application listed in Schedule A; and

WHEREAS, FASgen, LLC and Johns Hopkins University, a Limited Liability Company and University, respectively organized under and pursuant to the laws of Maryland and Maryland, respectively having their principal places of business at Bayview Medical Campus, 5210 Eastern Avenue, Baltimore, Maryland 212234; and 4910 Eastern Avenue, Baltimore, Maryland 21224, respectively (hereinafter referred to as Assignees), are desirous of acquiring the right, title and interest in, to and under said Patent Application and the invention covered thereby;

NOW, THEREFORE, in consideration of and in exchange for the sum of One Dollar (\$1.00) and other good and valuable consideration, receipt of which is hereby acknowledged, the said Assignor has sold, assigned, transferred and set over, and does hereby sell, assign, transfer and set over to the said Assignees, the entire right, title and interest for the United States of America and all other countries in and to said applications for all original, divisional, continuation, continuation-in-part, substitute or reissue applications and patents applied for or granted therefore in the United States of America and all other countries on the attached list of Schedule A, and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on Schedule A to said assignees herein, as assignces of the entire interest therein; and the undersigned for itself and its legal representatives, heirs and assigns does hereby agree and covenant without further remuneration, to execute and deliver all divisional, continuation, continuation-in-part, reissue and other applications for Letters Patent and all assignments thereof to said assignees or their assigns, to communicate to said assignees or their representatives all facts known to the undersigned respecting said invention listed on Schedule A whenever requested, to testify in any interferences or other legal proceedings in which said application or patent may become involved, to sign all lawful papers, make all rightful oaths, and do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said invention listed on Schedule A in the United States of America and all other countries, the expenses incident to said application listed on Schedule A to be borne and paid by said assignees.

SCHEDULE A

Application Number	Filing Date	Inventor	Title	Ctry
10/520,506	Jan 7, 2005	Craig A. Townsend	Methods of Treating Microbial Infections in Humans and Animals	U\$

R. Keitl	h Baker, Ph.D., MBA
Date: Oct. 31, 2005 Sr. Dire	h Baker, Ph.D. ector Topkins Technology Transfer
United States of America) State of Maryland) ss.:	Tophus roumology Handler
County of Ballinge	
On this 3 day of October, 206 personally came R. Keith Baker, Ph.D., MBA to me k described in and who executed the foregoing instrument, and ackn of the same.	mown to be the individual

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made by Craig A. Townsend; James D. Dick; Nicole M. Parrish; and Minerva A. Hughes (hereinafter referred to as Assignors), residing at Department of Chemistry, Johns Hopkins University, 3400 N. Charles Street, Baltimore, Maryland 21218; Johns Hopkins Hospital, Meyer B1-193, 600 N. Wolfe Street, Baltimore, Maryland 21287; 2745 Weatherstone Drive, Ellicott City, Maryland 21042; and #2-1 Sharondale Way, Baltimore, Maryland 21221, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in Methods of Treating Microbial Infections in Humans and Animals, set forth in a Patent application for Letters Patent of the United States, already filed on January 7, 2005 as U.S. application No. 10/520,506; and

WHEREAS, Johns Hopkins University, a university, having its principal places of business at 4910 Eastern Avenue, Baltimore, Maryland 21224, (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignees, their successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignees, for their own use and benefit and the use and benefit of their successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the

same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignees, their successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignees under law or that have already been transferred to Assignees, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignees, their successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignees, their successors, legal representatives and assigns, whenever counsel of Assignees, or counsel of their successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignees, as Assignees of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignees, their successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply

with the rules of the United States Patent and Trademark Office for recordation of this document:

COVINGTON & BURLING

All practitioners at Customer Number 26853

AND Assignors acknowledge an obligation of assignment of this invention to Assignees at the time the invention was made.

	Craig A. Townsend
Date: 22 July 2005	, / C
United States of America State of County of County of County of County of County of County of County of County of County of County of County of County of County of County of County of	s.:
On this 27 day of Craig A. Townsend described in and who executed the foregoing inst	
of the same.	Monufo G. Sonfal Notary Public
	Exq. 6/9/04

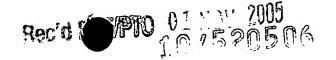
	James D. Dick
Date: 9/27/05	
United States of America)
State of <u>mO</u> ,) ss.:
County of Salko)
On this 27 day of James D. Dick described in and who executed the foregoing of the same.	
	Notary Public Exp. 6/9/89

	racou m.	100000
	Nicole M. F	'arrish
Date: $9-21-$	0.5	
United States of Ame	erica (
State of) ss.:	
County of	Balto.	
On this 21	day of $\frac{5404}{}$, $\frac{2005}{}$, before me
personally came	Nicole M. Parrish, to me known to l	
described in and who	executed the foregoing instrument, and acknowledged	execution
of the same.	Samle 9. Ses	
	Notary Public	7
•	Notary Public Exp. 6/9/09	
	. , , , ,	

United States of America
State of
County of

On this 22th day of September 2005, before me personally came Minerva A. Hughes, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Sep. 6/4/09



ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made by Craig A. Townsend; James D. Dick; Nicole M. Parrish; and Minerva A. Hughes (hereinafter referred to as Assignors), residing at Department of Chemistry, Johns Hopkins University, 3400 N. Charles Street, Baltimore, Maryland 21218; Johns Hopkins Hospital, Meyer B1-193, 600 N. Wolfe Street, Baltimore, Maryland 21287; 2745 Weatherstone Drive, Ellicott City, Maryland 21042; and #2-1 Sharondale Way, Baltimore, Maryland 21221, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in Methods of Treating Microbial Infections in Humans and Animals, set forth in a Patent application for Letters Patent of the United States, already filed on January 7, 2005 as U.S. application No. 10/520,506; and

WHEREAS, Johns Hopkins University, a university, having its principal places of business at 4910 Eastern Avenue, Baltimore, Maryland 21224, (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignees, their successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignees, for their own use and benefit and the use and benefit of their successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the

same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignees, their successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignees under law or that have already been transferred to Assignees, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignees, their successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignees, their successors, legal representatives and assigns, whenever counsel of Assignees, or counsel of their successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignees, as Assignees of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignees, their successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply

with the rules of the United States Patent and Trademark Office for recordation of this document:

COVINGTON & BURLING

All practitioners at Customer Number 26853

AND Assignors acknowledge an obligation of assignment of this invention to Assignees at the time the invention was made.

	In A mujers
Date: 22 July 2005	Craig A. Townsend
United States of America State of MARZIANT s County of RAIT (NOTE)	s.:
On this 22 day of Craig A. Townsend described in and who executed the foregoing inst	
of the same.	Notary Public Sonfe
	Exp. 6/9/09

	James D. Dick
Date: 9/27/05	
United States of America	
State of mU ,	SS.:
County of Salko	
On this 27 day of James D. Dick described in and who executed the foregoing instance.	, 2005, before me , to me known to be the individual strument, and acknowledged execution
of the same.	Samula a Sall Superior Public Exp. 6/4/69

		Nicole	m. Parrioh
		Nicole	M. Parrish
Date: 9-21-	0.5		
United States of Ame State of County of	rica)) ss) ss	:	
	day of		, before me in to be the individual dged execution
of the same.		Samle 9. C. Notary Public Exp. 6/9	Jean July 109

United States of America
State of
County of

Maryland
State

On this

Described in and who executed the foregoing instrument, and acknowledged execution

of the same.

Date:

9/22/05

United States of America

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